

SECRET

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NPIC/R-267/66  
FEBRUARY 1968

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NOTICE

This is the sixteenth in a series of updated and supplementary items to be inserted in NPIC/R-267/66, *Southeast Asia Activity Report, Communications Facilities, North Vietnam*. The effective date of each page is printed in the upper right-hand corner under the NPIC report number and in the tables of contents.

Pages which have been superseded and are no longer required should be destroyed in accordance with applicable security directives.

The overall classification of this report has been changed to SECRET/

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However, individual pages which can be classified CONFIDENTIAL/

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will be so identified.

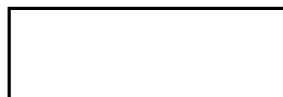
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ADDENDA



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ERRATA

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Change title to Line 8. Dien Bien Phu Area (Route 191).  
Change route to 191 (vice 151).

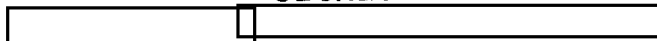
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DECLASS REVIEW by NIMA/DOD

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PHOTOGRAPHIC INTERPRETATION REPORT



SOUTHEAST ASIA  
ACTIVITY REPORT

COMMUNICATIONS  
FACILITIES  
NORTH VIETNAM

NPIC/R-267/66  
FEBRUARY 1968

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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W A R N I N G

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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Index . . . . .	I, II, III (Feb 68) (S)

Note: (S) denotes pages classified SECRET; all other pages are CONFIDENTIAL.



## INTRODUCTION

This report is designed to present an overall view of the types of communications facilities in North Vietnam. It is not all-inclusive, since the source of information is limited primarily to photography. As new communications facilities are identified, or as changes occur in previously reported facilities, periodic supplements will be disseminated to maintain a current data base on North Vietnamese communications facilities.

The communications facilities in this report are divided into 3 categories: radio stations, telephone/telegraph open wire lines, and weather stations, Categories A, B, and C, respectively.

Category A. Radio Stations. These are permanent radio stations which provide point-to-point and general broadcast communications.

Category B. Telephone/Telegraph Open Wire Lines. These are quite numerous in the heavily populated areas and very difficult to identify in their entirety on the photography available. Therefore, this report will focus on those major trunk lines that provide wire communications links to less populated areas, thereby providing some insight into the magnitude of the nationwide wire communications service, as well as those that provide connecting links to neighboring countries.

Category C. Weather Stations. These stations are not communications facilities per se; however, they are included in this report because a communications capability apparently exists at each station and could be used to transmit data other than weather information.

A table of contents and a small-scale plot map are included for each category. In Category A, large-scale plot map and a photo are provided for each item. In category B, a plot map of each item will be provided; however, photos of a site will be provided only to show some particular characteristic. The items in category

C are generally standard in layout, and, with the exception of representative photos, will be depicted only on a plot map.

The type of photography utilized in this report generally precludes accurate mensuration; therefore, all dimensions given are necessarily approximate.

The nature of these installations and the type of photographic coverage make it extremely difficult to determine the exact extent of bomb damage to the facilities; therefore, all bomb damage assessment (BDA) is necessarily an estimate.

## BACKGROUND

Telecommunications facilities in North Vietnam consist of a telephone/telegraph open wire line network connecting principal cities and towns, point-to-point radio communications facilities, and radio broadcasting facilities. These facilities are owned and operated by the government and are used primarily for administrative purposes. Interurban communications are provided by open wire lines and high-frequency radio communications facilities. In recent years wire has replaced radio as the primary means of communication in the urban areas; however, radio communications facilities are still used extensively for communication with remote areas not served by wire lines and as a supplementary means of communication with the provincial capitals.

A development program, begun in 1955, has resulted in the extension and modernization of the open wire lines. Telephone and general telegraph services are provided, and service is good in most of the major cities, but varies from fair-to-poor elsewhere.

Telephone and telegraph lines radiate from Ha Noi to all provincial capitals and to several other cities. The pattern of the wire system

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corresponds to the land transportation network and generally follows the alignment used under French administration.

International communications are provided by wire lines to Communist China and Laos and by direct radio communication to Communist China, the Soviet Union, and several other countries. Ha Noi is the main international communications center. Radio Ha Noi, also known as the "Voice of Vietnam," is the only known radio broadcasting station. An extensive wired (government-controlled reception) broadcasting system provides service to selected centers located throughout the country.

All telecommunications facilities are operated by the Ministry of Communications and Transportation, through the Directorate of Posts, Telephones, and Telegraphs (DPTT). Radio Ha Noi is subordinate to the Radio Diffusion Board, an independent organization of the government attached to the Office of the President. All broadcasting policies are established and controlled by the Propaganda and Training Committee of the Communist Party Politburo.

Special telecommunications systems are operated by the Ministry of National Defense, the Communist Party, the railroads, meteorological services, merchant shipping, civil aeronautical organizations, and the diplomatic service. The Ministry of National Defense

System is the largest and includes both open wire lines and radio communications facilities. The Communist Party operates a radio communications network which is almost as extensive.

North Vietnam has a potential capability for the production of telecommunications and electronic equipment because of abundant mineral reserves; however, most telecommunications equipment and material are imported from Communist China, East Germany, Hungary, or the Soviet Union. Under the five-year plan of 1961-1965, the government planned to extend and improve the telecommunications system by installing a large radio relay network; however, to date there is little evidence of any improvements to the radio communications system.

The telephone/telegraph open wire lines are not particularly vulnerable to air attack and can be readily repaired if so damaged. However, the radio communications system is extremely vulnerable to air attack. It is anticipated that continued and expanded efforts by the United States to destroy these radio communications facilities will force North Vietnam to utilize alternate facilities, probably mobile radio communication equipment. This would make it more difficult to locate these facilities, but would further complicate the problem of communications for the North Vietnamese.

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### Radio Stations

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1.	Chanh Hoa IIF/DF and Support Communications Facility	A-1,2 (Mar 67)
2.	Dien Bien Phu IIF/DF and Support Communications Facility	A-3,4 (Oct 67)
3.	Mong Cai IIF/DF and Support Communications Facility	A-5,6 (Oct 67, Aug 66)
4.	Hai Noi High-Frequency Communications Station Phu Coc	A-7,8 (Aug 67)
5.	Hai Noi Radio Station Northwest New	A-9,10 (Dec 67)
6.	Hai Noi Radio Transmission Station Dai Mo	A-11,12 (Jun, Oct 67)
7.	Hai Noi Radio Receiving Station Son Dong	A-13,14 (Oct, Aug 67)
8.	Hai Noi Radio Broadcasting Station Me Tri	A-15,16 (Aug 67)
9.	Hai Dong Communications Facility	A-17,18 (Oct 66)
10.	Hoa Lao Radio Communications Station	A-19,20 (Nov 66)
11.	Noi Bai Communications Facility	A-21,22 (Aug 66)
12.	Thai Nguyen Communications Facility	A-23,24 (Feb 68) (S)
13.	Tien Yen Probable Communications Facility	A-25,26 (Aug 66)
14.	Hai Phong Radio Communications Station Military	A-27,28 (Aug 67)
15.	Hai Noi Radio Station NW Thuy Khuc	A-29,30 (Mar 67)
16.	Muong Sen Radio Communications Station	A-31,32 (Aug, Sep 66)
17.	Quang Khe Radio Communications Station	A-33,34 (Aug 67)
18.	Hanoi/Bac Mai Airfield Microwave Facility	A-35,36 (Jul 67, Nov 66)
19.	Xom Trung Hoa Communications Facility	A-37,38 (Feb 68, Dec 66)
20.	Phuc Yen Radio Communications Station No 2	A-39,40 (Feb 68) (S)
21.	Co Dinh Radio Communications Station	A-41,42 (Jan 67)
22.	Hanoi/Bac Mai Airfield Communications Facility	A-43,44 (Feb 67)
23.	Hai Noi Probable IIF/DF Site Van Dien	A-45,46 (Apr 67)
24.	Hai Noi Communications Station Kim Quan Dong	A-47,48 (Feb 68)
25.	Hai Phong Communication Station An Bien	A-49,50 (Apr 67)
26.	Ngai Son Communications Facility	A-51,52 (May, Jun 67)
27.	Cua Nam Tricu Lighthouse Communications Facility	A-53,54 (May 67)
28.	Luong Phong VHF Communications Facility	A-55,56 (May 67)
29.	Hai Noi Communications Facility Yen Hoa	A-57,58 (Jul 67)
30.	Hai Phong Communications Facility Ly Cau	A-59,60 (Feb 68)
31.	Kien An Communications Facility	A-61,62 (Aug 67)
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34.	Hai Noi Communications Facility Ba Dinh	A-67,68 (Feb 68)

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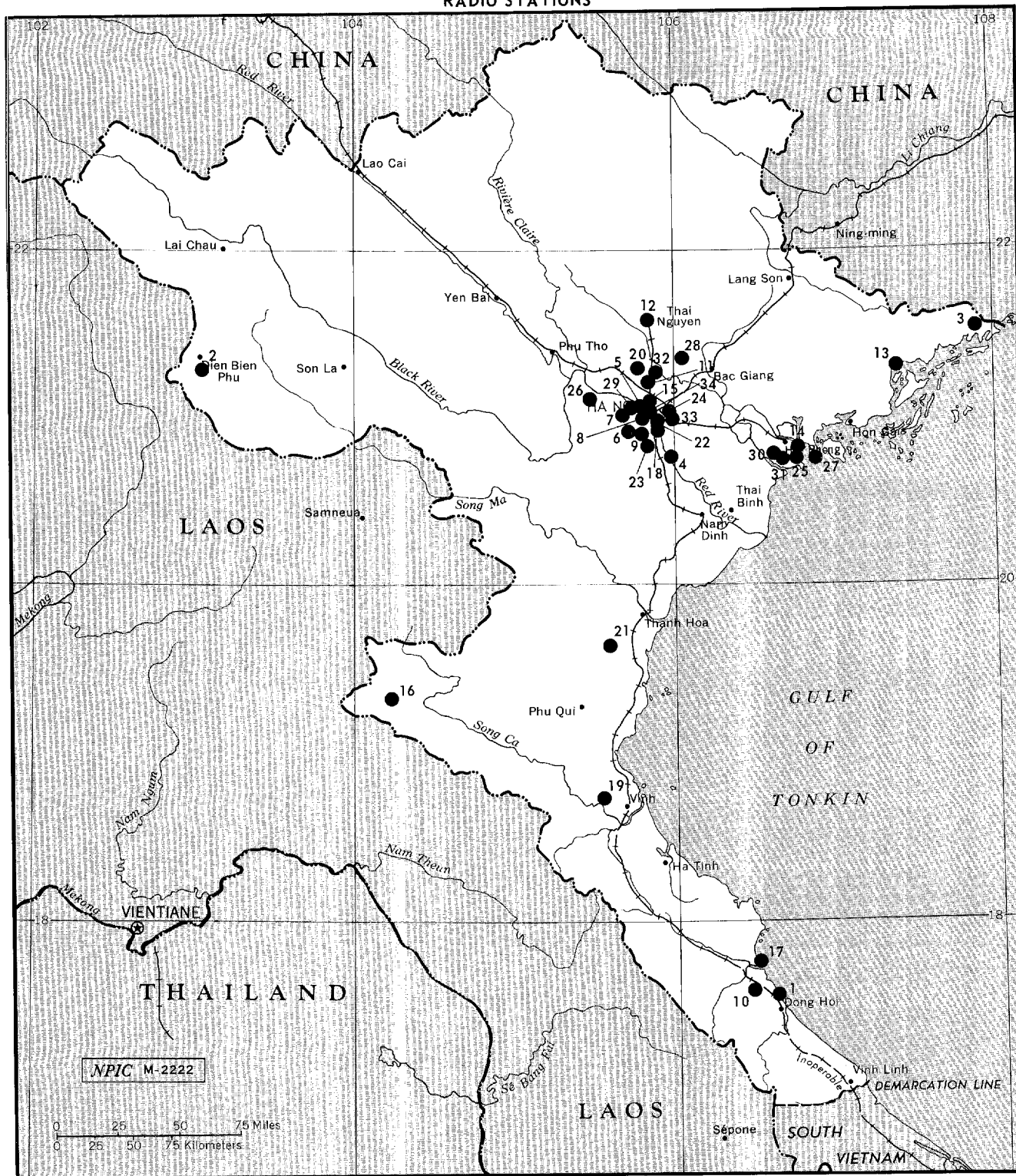
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NPIC/R-267/66  
FEBRUARY 1968

CATEGORY A  
RADIO STATIONS



A-II

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NPIC/R-267/66

MARCH 1967

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BE NUMBER

XE682388  
UTM COORDINATES

17-31-50N 106-35-05E  
GEOGRAPHIC COORDINATES

NAME: CHANH HOA HF/DF AND SUPPORT COMMUNICATIONS FACILITY

LOCATION: 2.0 NM ESE OF CHANH HOA AND 1.3 NM NNW OF THE DONG HOI AIRFIELD

DESCRIPTION: WALL-SECURED HF/DF SITE CONSISTS OF 1 CONTROL BUILDING AND 2 SMALL BUILDINGS. ANCHOR POSITIONS FOR 8 ANTENNAS SURROUND THE CONTROL BUILDING.

A WALL-SECURED HF SUPPORT COMMUNICATIONS FACILITY 0.5 NM WEST OF THE HF/DF SITE CONSISTS OF 1 CONTROL, 1 SUPPORT, AND 1 PROBABLE GENERATOR BUILDING. TWO HORIZONTAL DIPOLE ANTENNAS ARE IMMEDIATELY OUTSIDE THE SECURITY WALL. [REDACTED] DESIGNATION: CHANH HOA MILITARY RADIO COMMUNICATIONS SITE)

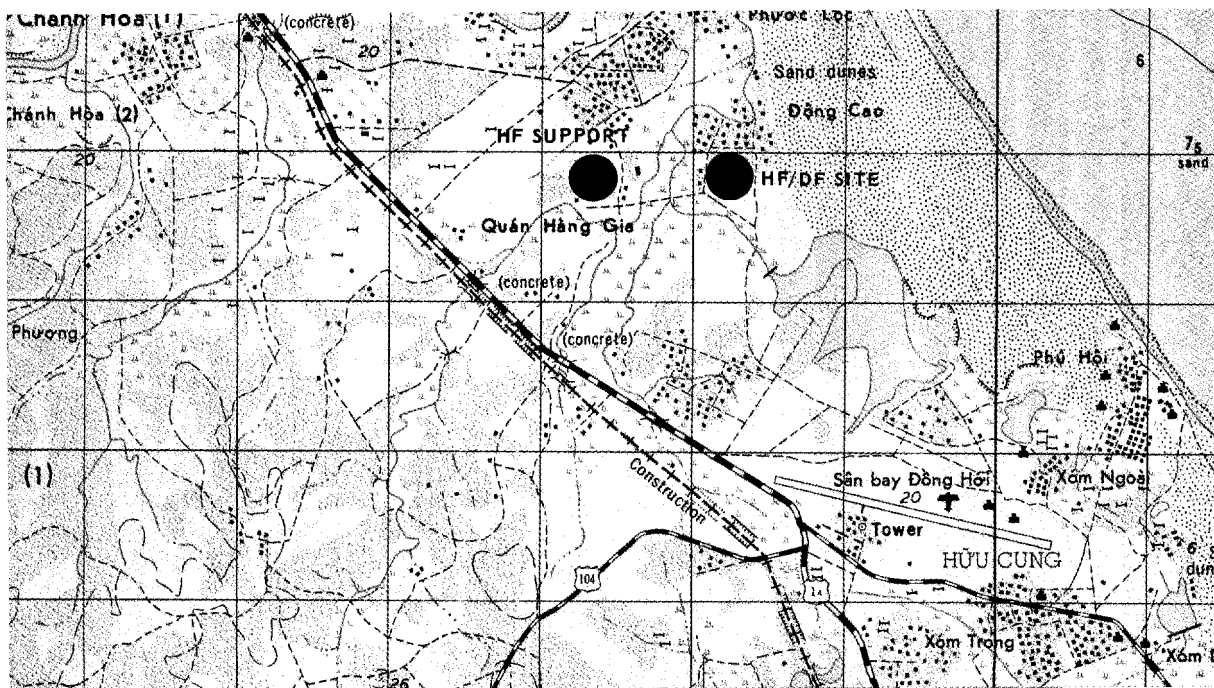
THE HF/DF SITE AND THE SUPPORT COMMUNICATIONS FACILITY ARE CONNECTED BY A TRAIL AND A PROBABLE CABLE SCAR.

THE HF COMMUNICATIONS FACILITY HAS BEEN SUBJECTED TO AIR STRIKE RESULTING IN SEVERE DAMAGE TO THE SUPPORT BUILDING AND MODERATE DAMAGE TO THE CONTROL AND PROBABLE GENERATOR BUILDINGS. THE 4 MASTS SUPPORTING THE HORIZONTAL DIPOLE ARE NO LONGER STANDING.

THIS FACILITY IS SIMILAR TO THE HF/DF SITES AT DIEN BIEN PHU AND MONG CAI.

PHOTO [REDACTED]

MAP REFERENCES: AMS SERIES L7014, SHEET 6344-III, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NE 48-12



A-1

25X1C

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25X1C

NOI BAI COMMUNICATIONS FACILITY

WJ847444

21-12-00N 105-49-06E

UTM COORDINATES

GEOGRAPHIC COORDINATES



NPIC L-5229 (8/66)

25X1C

25X1



25X1A

WJ835927  
UTM COORDINATES

21-38-15N 105-48-30E  
GEOGRAPHIC COORDINATES

**NAME:** THAI NGUYEN COMMUNICATIONS FACILITY

**LOCATION:** 3.4 NM NW OF THAI NGUYEN

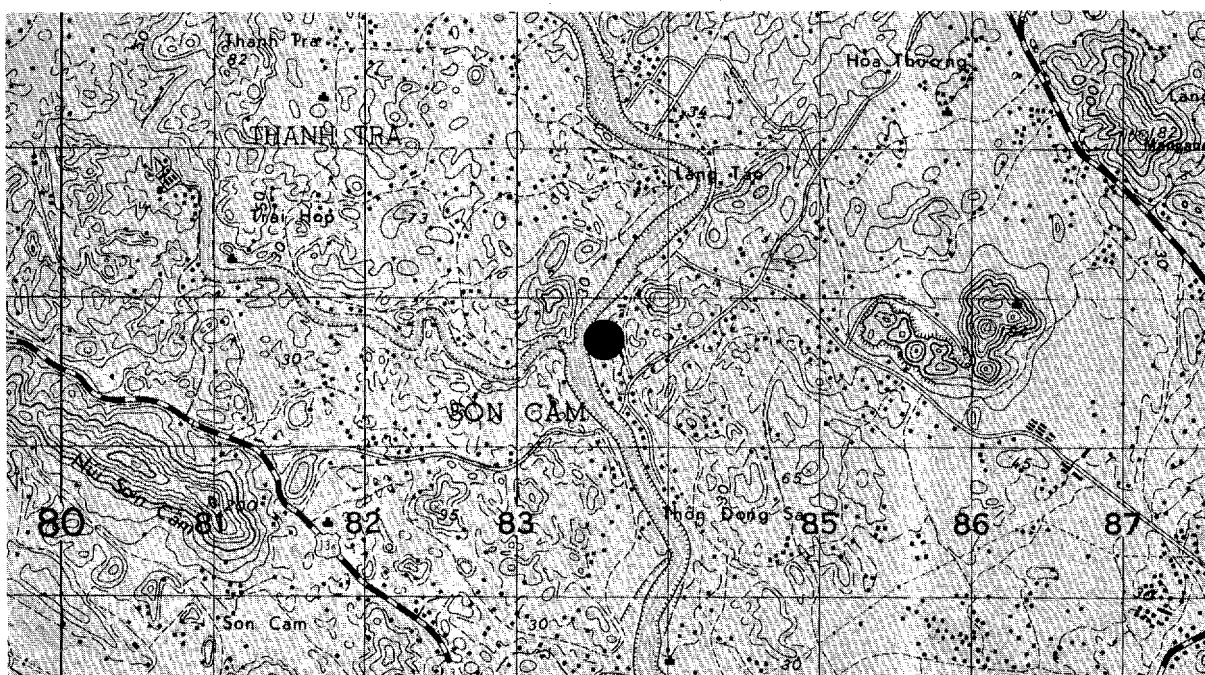
**DESCRIPTION:** WALL-SECURED FACILITY CONSISTS OF 1 HORIZONTAL DIPOLE ANTENNA SUPPORTED BY 2 MASTS, 1 CONTROL BUILDING, AND 6 SUPPORT BUILDINGS.

THE ROOFS OF THE CONTROL BUILDING AND THE LARGER SUPPORT BUILDINGS WERE REMOVED

25X1D

25X1D

**MAP REFERENCES:** AMS SERIES L7014, SHEET 6152-II, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NF 48-11.



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FEBRUARY 1968

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THAI NGUYEN COMMUNICATIONS FACILITY

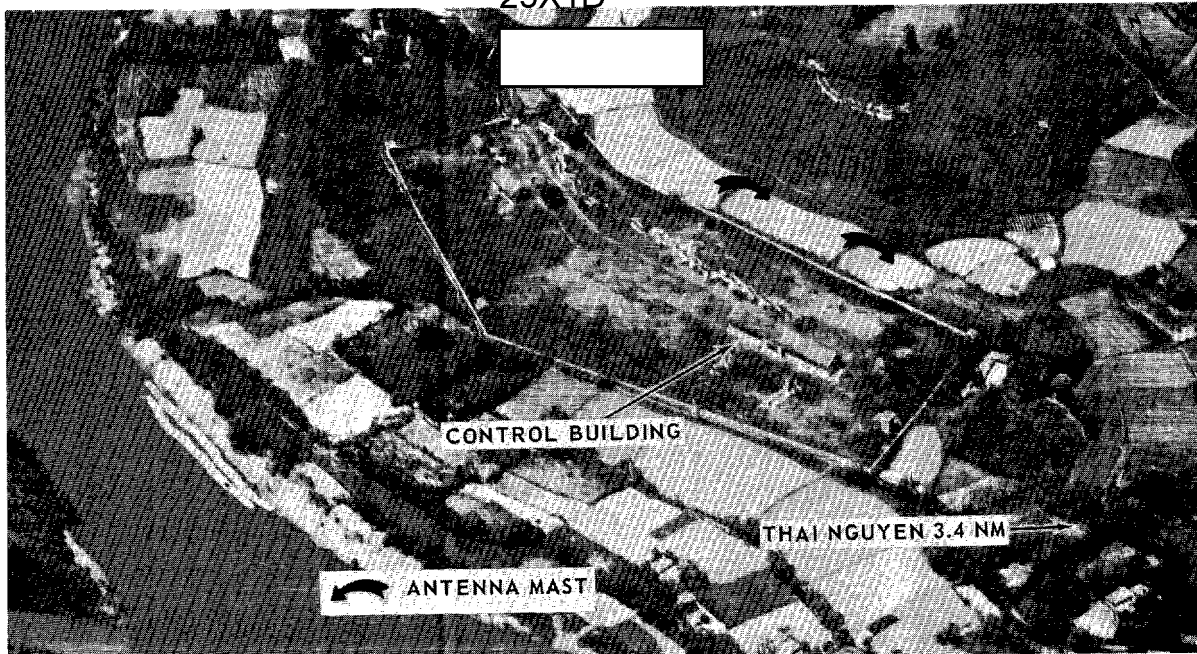
WJ835927

UTM COORDINATES

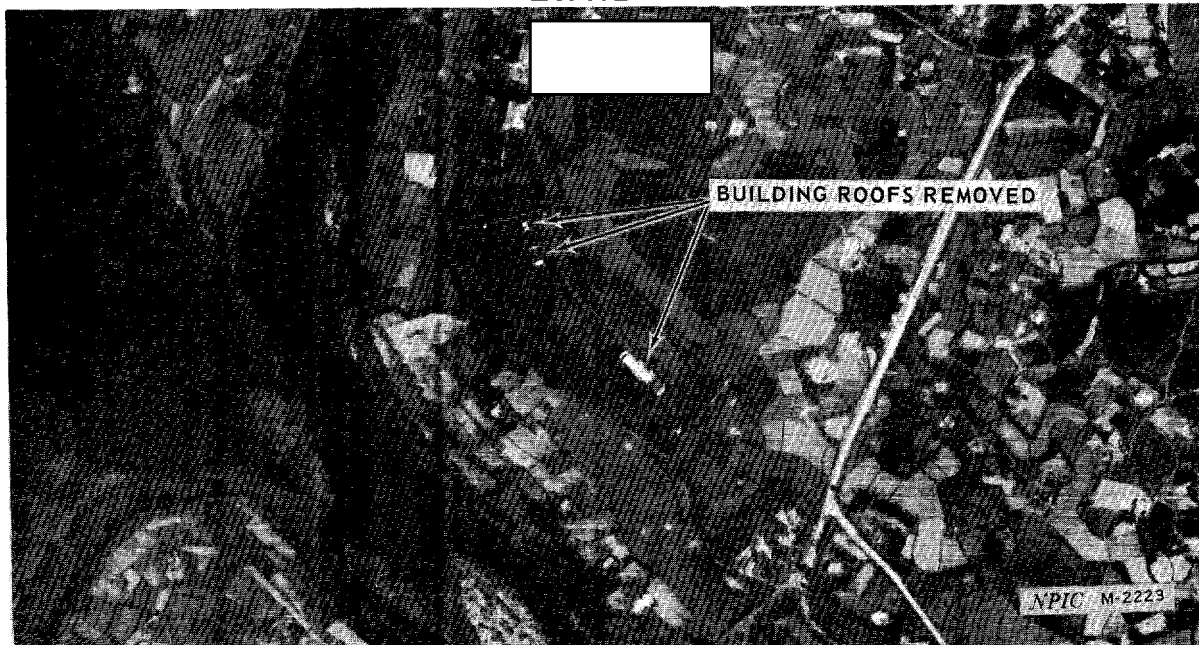
21-38-15N 105-48-30E

GEOGRAPHIC COORDINATES

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A-24

SECRET

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NPIC/R-267/66

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25X1C

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	YJ493591	21-19-06N 107-24-14E

**NAME:** TIEN YEN PROBABLE COMMUNICATIONS FACILITY

(BE DESIGNATION: TIEN YEN RADIO COMMUNICATIONS FACILITY)

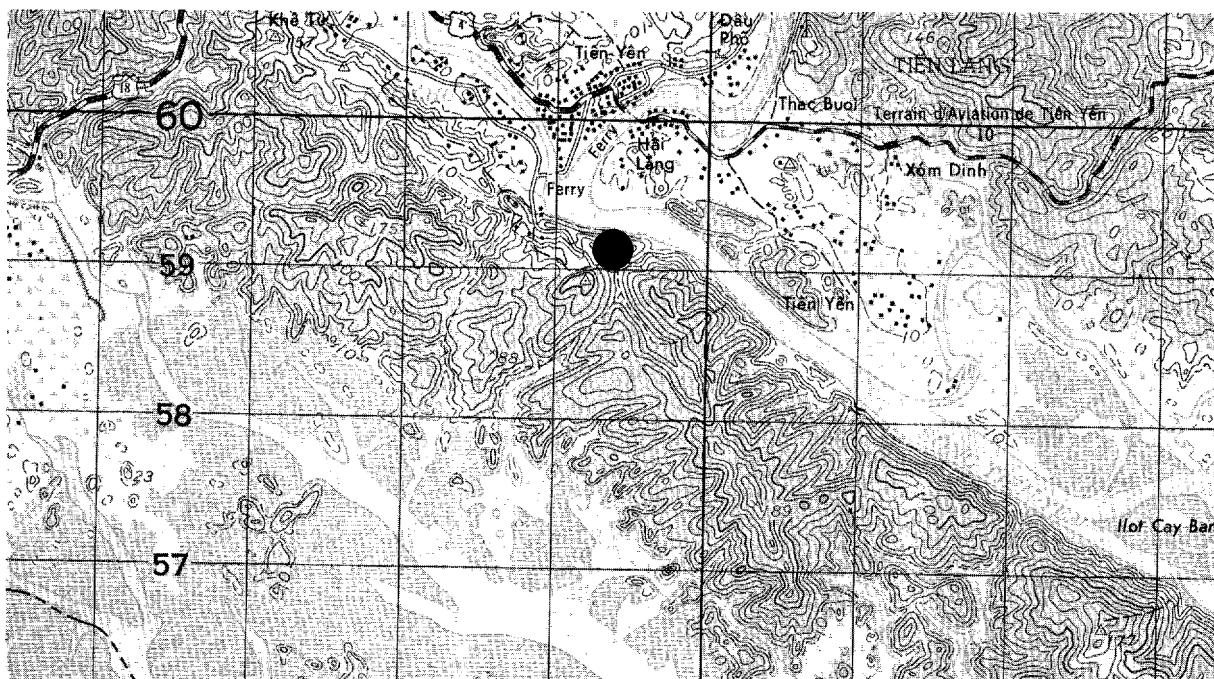
**LOCATION:** 0.5 NM SOUTH OF TIEN YEN ON THE SOUTH BANK OF THE SONG TIEN YEN (RIVER)

**DESCRIPTION:** FACILITY CONTAINS 1 MAST AND 1 PROBABLE CONTROL BUILDING.

A WEATHER STATION IS APPROXIMATELY 1 NM NE AT UTM YJ508598.

25X1D

**MAP REFERENCES:** AMS SERIES L701, SHEET 6474-I, 1ST ED, JUN 64 (U)  
AMS SERIES 1501, SHEET NF 48-12, 1ST ED, AUG 65 (U)



NPIC L-5232 (8/66)

25X1C

A-25

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25X1

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NPJC/R-267/66  
NOVEMBER 1966

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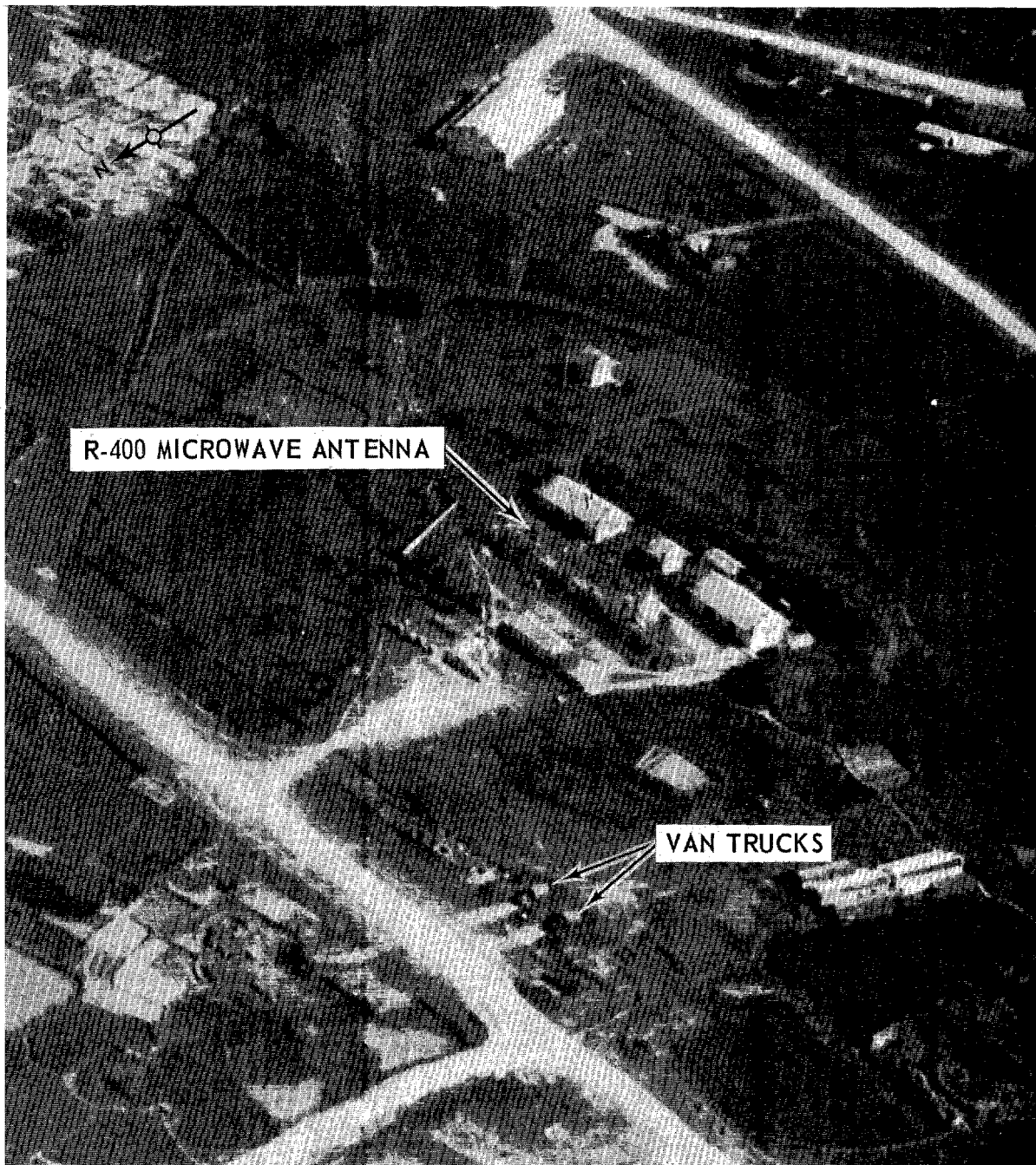


25X1C

HANOI/BAC MAI AIRFIELD MICROWAVE FACILITY

WJ860218  
UTM COORDINATES

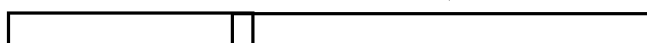
20-59-49N 105-49-42E  
GEOGRAPHIC COORDINATES



25X1C

**CONFIDENTIAL**

25X1



25X1

25X1A

	WF520703 UTM COORDINATES	18-43-29N 105-29-36E GEOGRAPHIC COORDINATES
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NAME: XOM TRUNG HOA COMMUNICATIONS FACILITY

25X1A

LOCATION: 1.0 NM NE OF XOM TRUNG HOA, WITHIN THE XOM TRUNG HOA MILITARY BARRACKS NNW

DESCRIPTION: FACILITY CONTAINS A PROBABLE CONTROL AREA, A TRANSMITTER AREA, AND A PROBABLE RECEIVER AREA CONNECTED BY 2 PARALLEL CABLE TRENCHES.

THE PROBABLE CONTROL AREA IS SEPARATELY FENCED AND CONTAINS 1 PROBABLE CONTROL BUILDING.

THE TRANSMITTER AREA CONTAINS A TRANSMITTER BUILDING AND 3 SMALL ASSOCIATED BUILDINGS, 2 RHOMBIC ANTENNAS, 2 HORIZONTAL DIPOLE ANTENNAS, AND A COOLING POND.

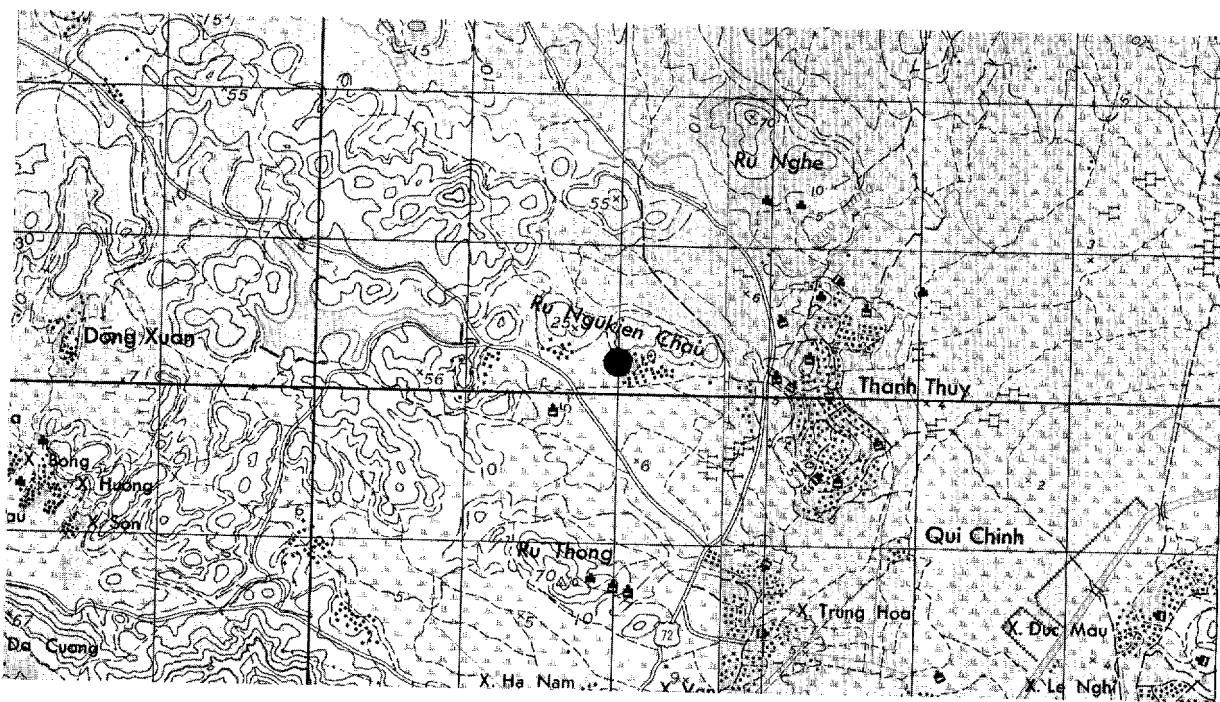
THE PROBABLE RECEIVER AREA CONTAINS 1 PROBABLE RECEIVER BUILDING AND 1 SMALL BUILDING, 1 RHOMBIC ANTENNA, AND 1 HORIZONTAL DIPOLE ANTENNA.

25X1D

ON PHOTOGRAPHY OF THE TRANSMITTER AND PROBABLE CONTROL BUILDINGS HAVE SOME ROOF DAMAGE AND LARGE SECTIONS OF THE BUILDING WALLS ARE MISSING. ONE OF THE 3 SMALL BUILDINGS IN THE TRANSMITTER AREA IS DAMAGED AND THE OTHER 2 ARE DISMANTLED. THERE IS NO APPARENT DAMAGE TO THE ANTENNA MASTS OR TO THE RECEIVER AREA.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6046-II, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NE 48-7



25X1C

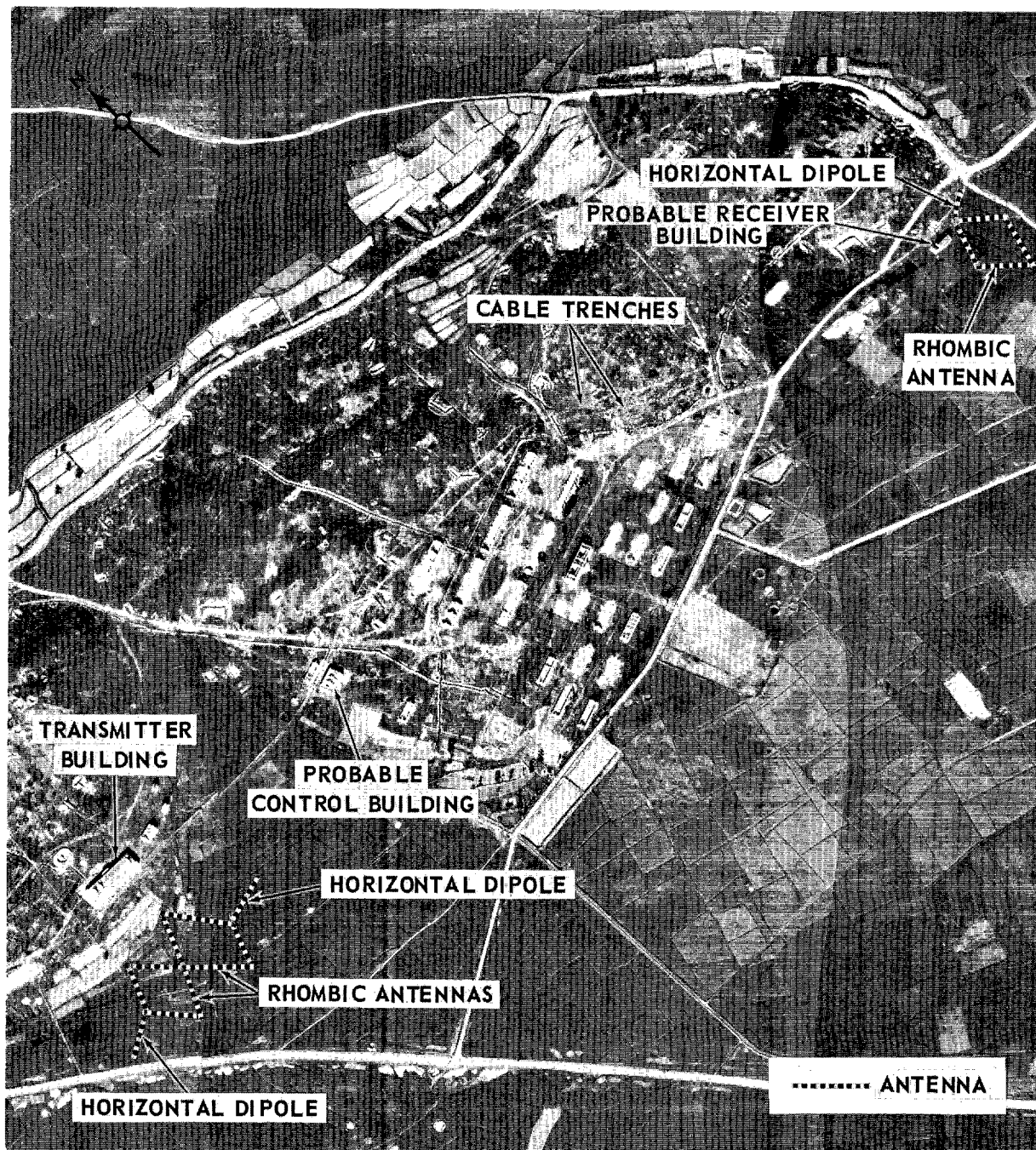
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XOM TRUNG HOA COMMUNICATIONS FACILITY

WF520703  
UTM COORDINATES

18-43-29N 105-29-36E  
GEOGRAPHIC COORDINATES





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FEBRUARY 1968

25X1A

	WJ842471 UTM COORDINATES	21-13-30N 105-48-40E GEOGRAPHIC COORDINATES
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NAME: PHUC YEN RADIO COMMUNICATIONS STATION NO 2

LOCATION: 6 NM ESE OF PHUC YEN, ADJACENT TO THE PHUC YEN AIRFIELD

DESCRIPTION: FACILITY CONTAINS 1 VEE ANTENNA, 5 HORIZONTAL DIPOLES, AND 1 POSSIBLE VERTICAL ANTENNA.

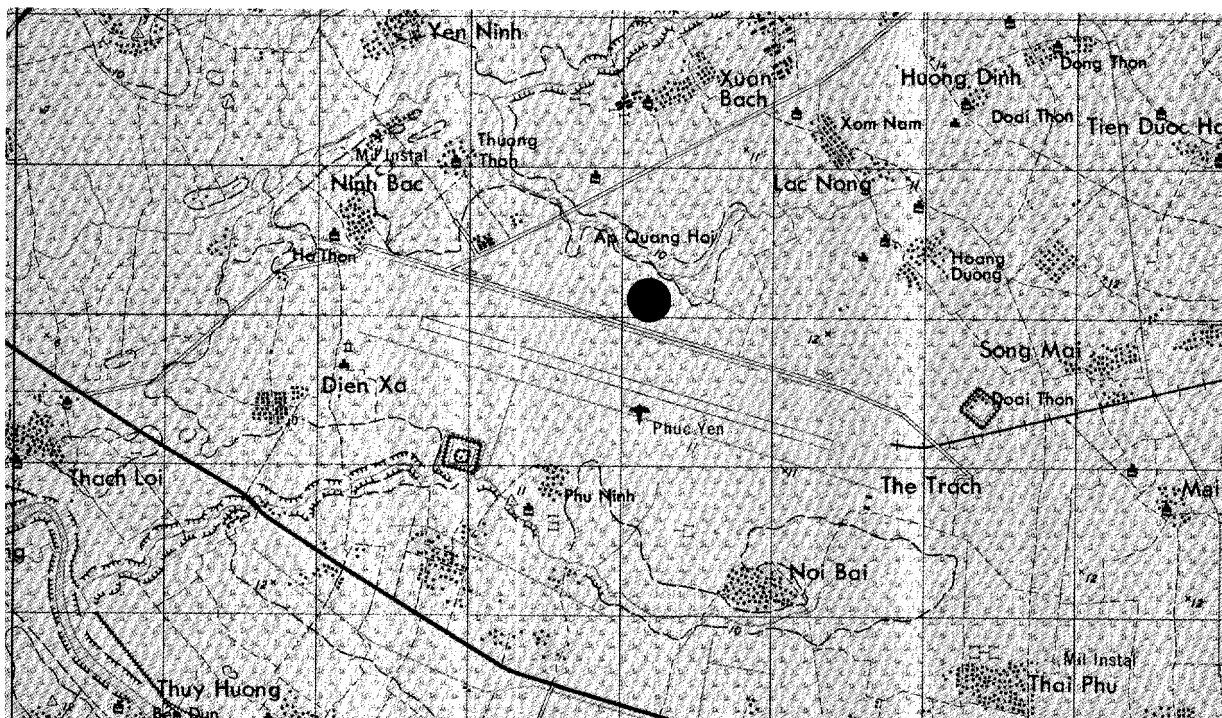
CONTROL EQUIPMENT IS PROBABLY HOUSED WITHIN THE ADMINISTRATION BUILDING FOR THE PHUC YEN AIRFIELD.

25X1D

REVEALS THE DESTRUCTION OF THE WEATHER STATION AND DAMAGE TO THE ADMINISTRATION BUILDING. THE ANTENNA MASTS ARE NOT VISIBLE ON THIS PHOTOGRAPHY.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NF 48-11



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A-39  
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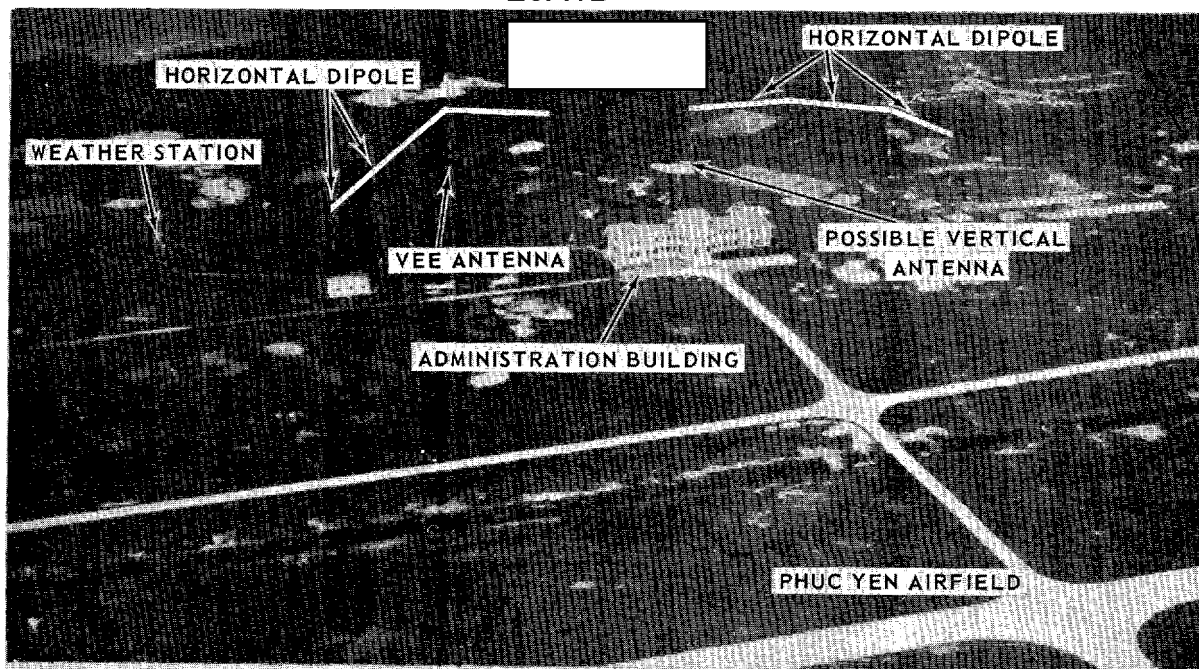
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FEBRUARY 1968

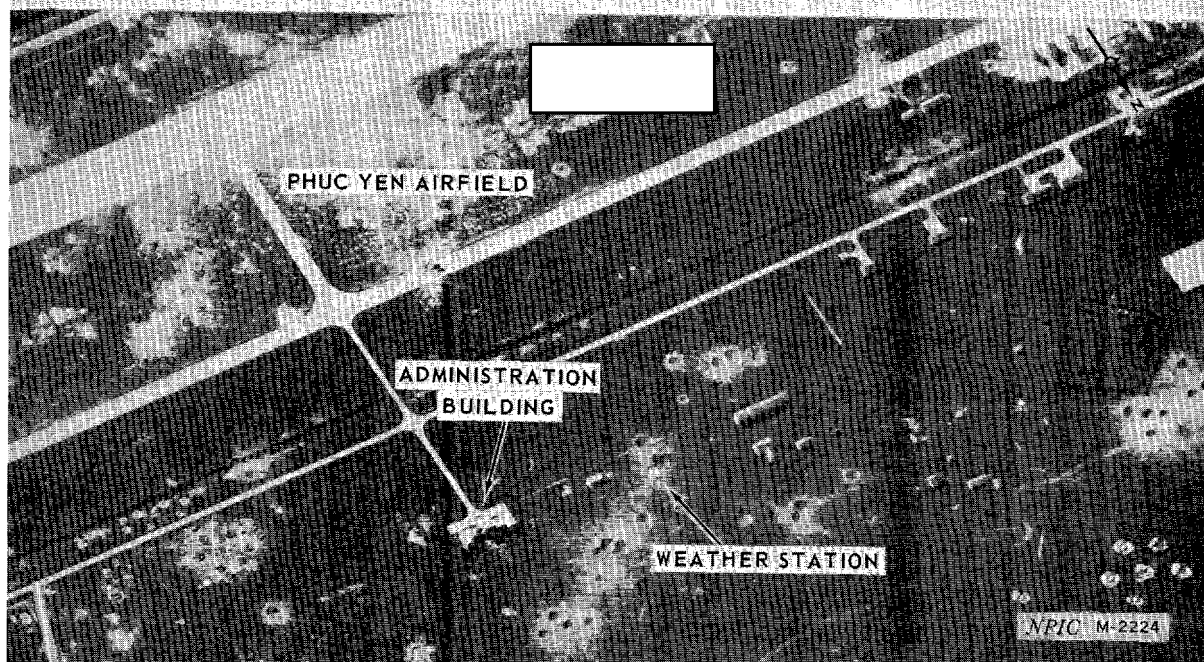
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PHUC YEN RADIO COMMUNICATIONS STATION NO 2  
WJ842471  
UTM COORDINATES  
21-13-30N 105-48-40E  
GEOGRAPHIC COORDINATES

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25X1D



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A-40  
SECRET

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WG663812  
UTM COORDINATES

19-43-35N 105-37-50E  
GEOGRAPHIC COORDINATES

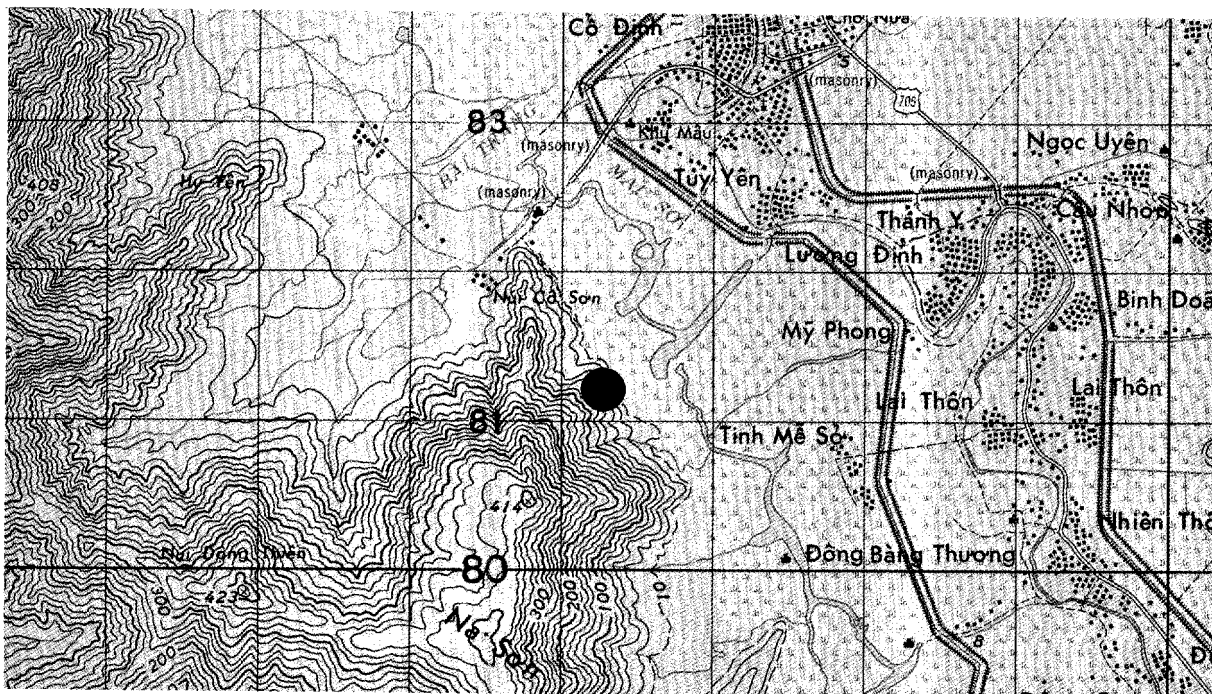
**NAME:** CO DINH RADIO COMMUNICATIONS STATION

**LOCATION:** 1.5 NM SSW OF CO DINH

**DESCRIPTION:** FACILITY CONSISTS OF A DOUBLE-FENCED AREA WITH 2 STICK MASTS AND 2 SMALL BUILDINGS.

25X1D

**MAP REFERENCES:** AMS SERIES L7014, SHEET 6148-III, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NE 48-3, 1ST ED, NOV 65 (U)



A-41

25X1C

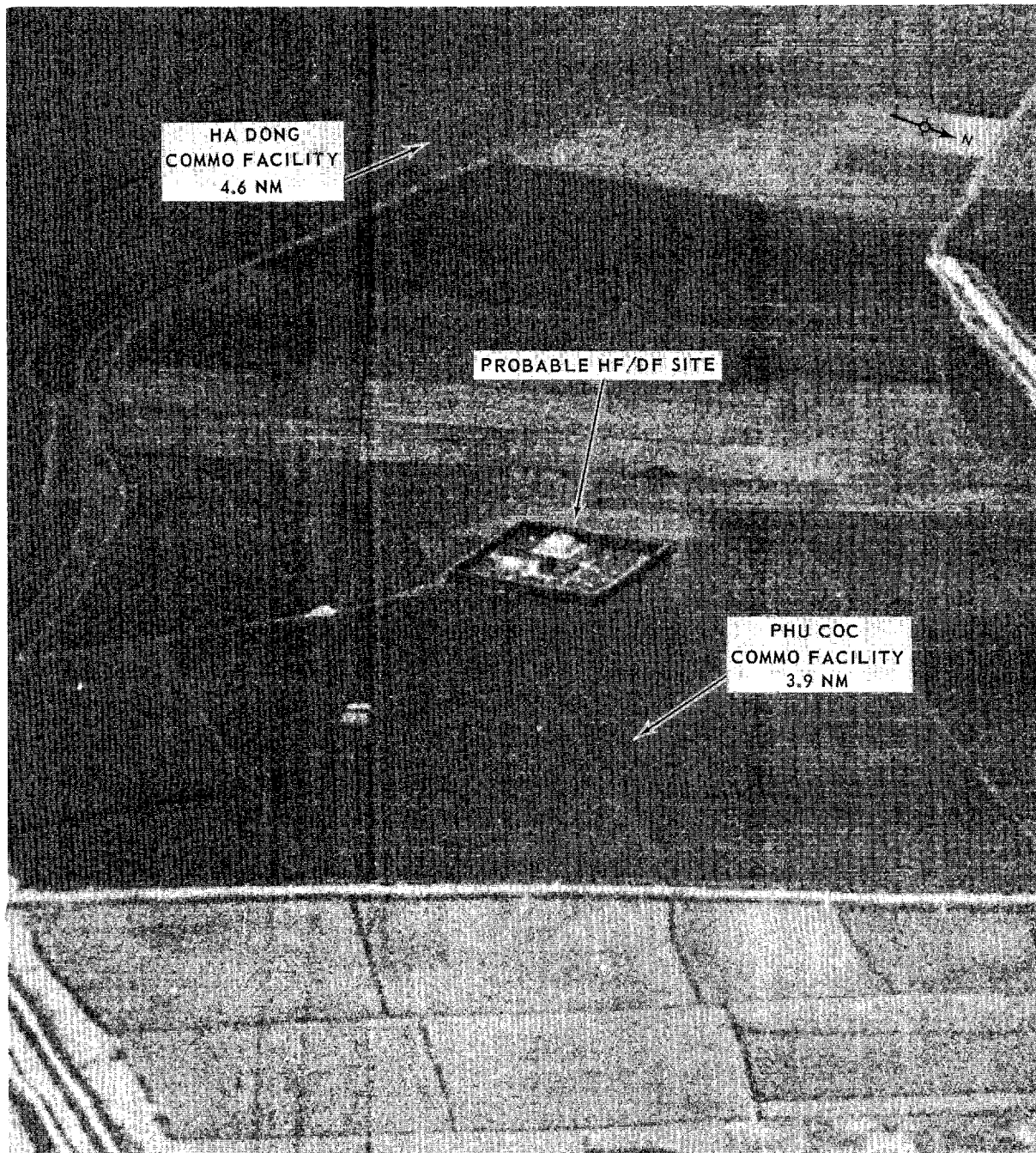


25X1

HA NOI PROBABLE HF/DF SITE VAN DIEN

WJ875121  
UTM COORDINATES

20-54-32N 105-50-28E  
GEOGRAPHIC COORDINATES



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25X1



25X1  
25X1A

WJ955311  
UTM COORDINATES

21-04-48N 105-55-10E  
GEOGRAPHIC COORDINATES

NAME: HA NOI COMMUNICATIONS STATION KIM QUAN DONG

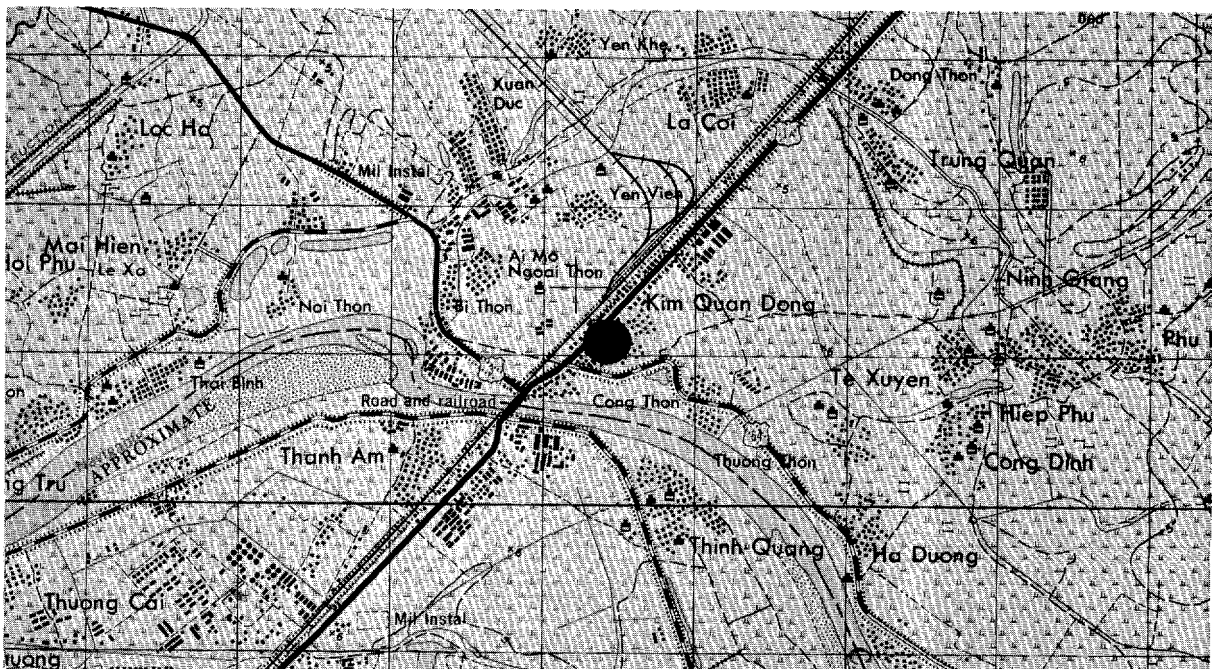
LOCATION: KIM QUAN DONG, 2.9 NM NNE OF GIA LAM AIRFIELD AND 5.3 NM NE OF HAI NOI

DESCRIPTION: FACILITY CONSISTS OF 3 TALL MASTS WITHIN AN INDUSTRIAL AREA. FEED LINES AND CONTROL FACILITIES CANNOT BE IDENTIFIED.

25X1D [REDACTED] REVEALS THAT ALL BUILDINGS HAVE BEEN DESTROYED. TWO OF THE 3 TALL MASTS REMAIN STANDING.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NF 48-11



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HA NOI COMMUNICATIONS STATION KIM QUAN DONG  
WJ955311  
UTM COORDINATES  
21-04-48N 105-55-10E  
GEOGRAPHIC COORDINATES

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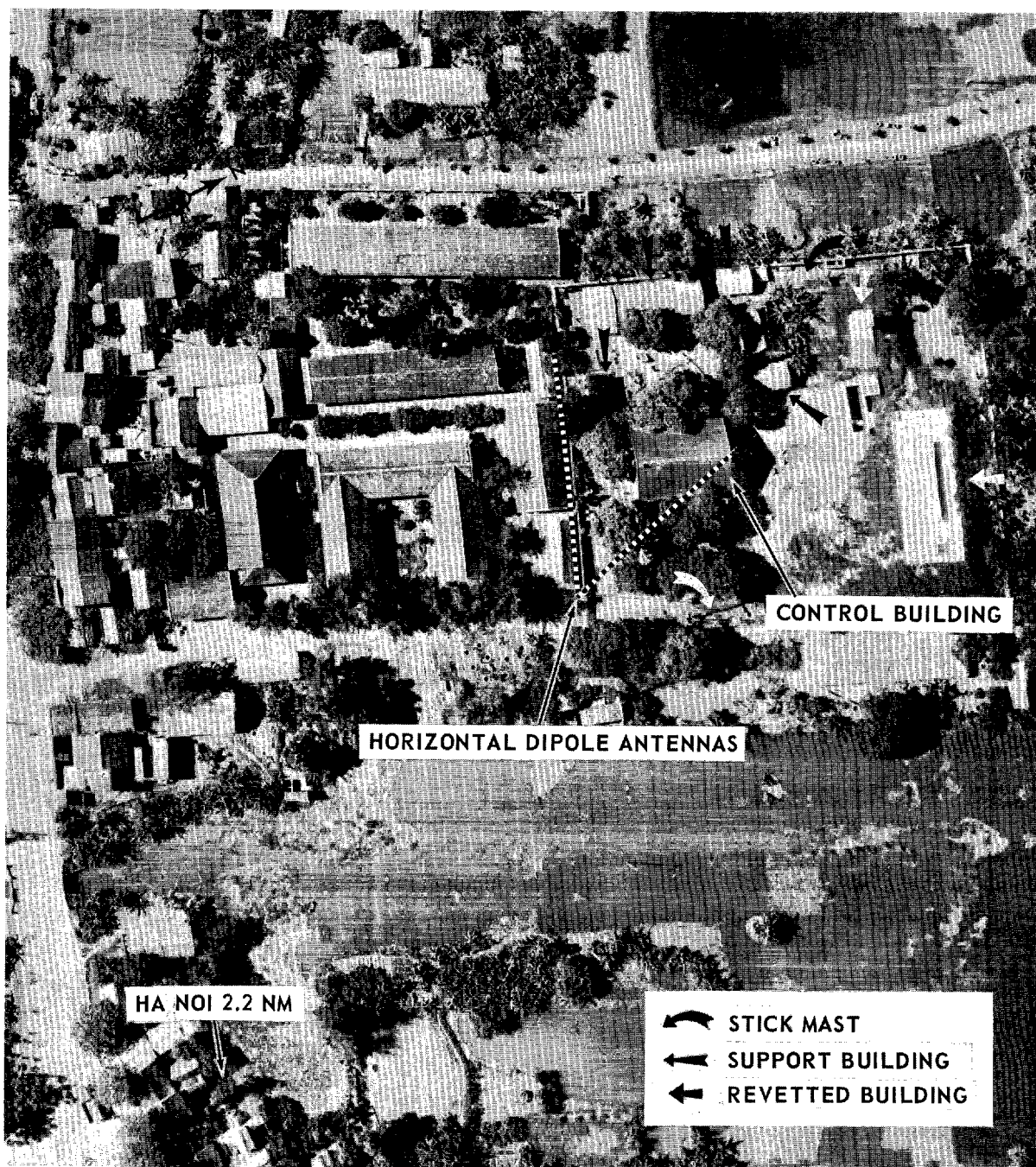


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HA NOI COMMUNICATIONS FACILITY YEN HOA

WJ837254  
UTM COORDINATES

21-01-46N 105-48-21E  
GEOGRAPHIC COORDINATES



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25X1C



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FEBRUARY 1968

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BE NUMBER

XH638974  
UTM COORDINATES

20-46-16N 106-34-28E  
GEOGRAPHIC COORDINATES

NAME: HAI PHONG/KIEN AN ILS FACILITY LY CAU

LOCATION: 0.2 NM SOUTH OF LY CAU AND 8 NM SW OF HAI PHONG

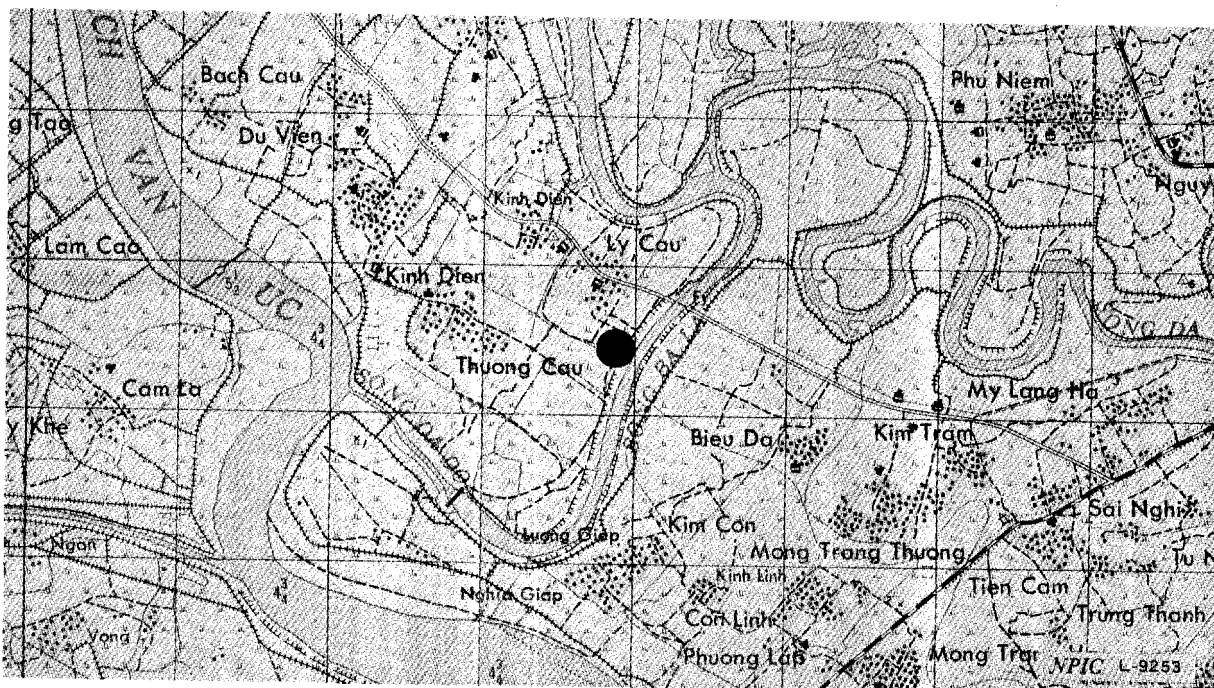
DESCRIPTION: FACILITY CONSISTS OF 2 ANTENNA MASTS, 1 CONTROL BUILDING, AND 2 SUPPORT BUILDINGS.

THIS FACILITY WAS PREVIOUSLY IDENTIFIED AS THE HAI PHONG COMMUNICATIONS FACILITY LY CAU [REDACTED].

25X1A

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NF 48-16



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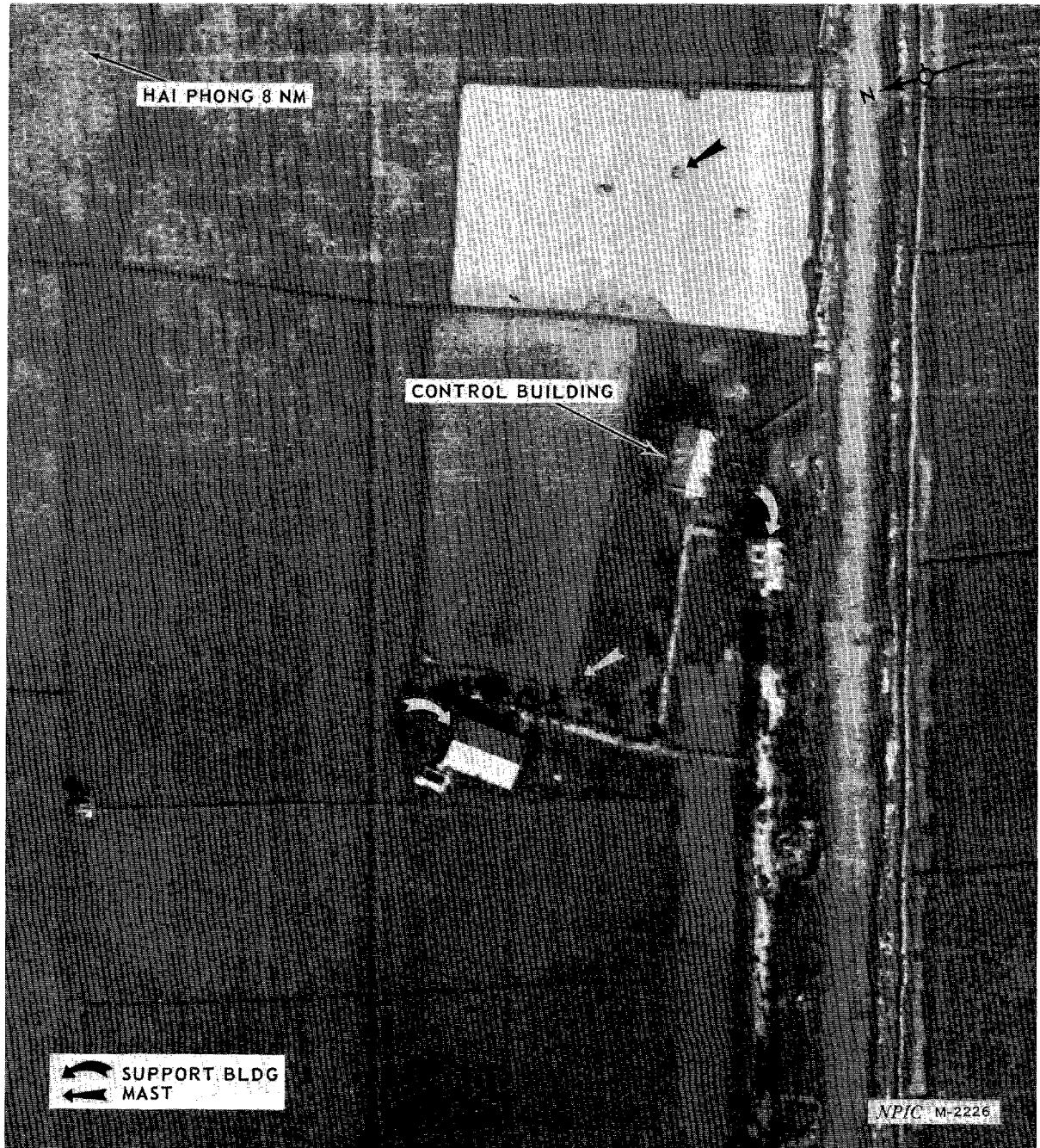
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FEBRUARY 1968

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UTM COORDINATES

HAI PHONG/KIEN AN ILS FACILITY LY CAU

20-46-16N 106-34-28E  
GEOGRAPHIC COORDINATES



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BE NUMBER	XJ708015 UTM COORDINATES	20-48-27N 106-38-31E GEOGRAPHIC COORDINATES
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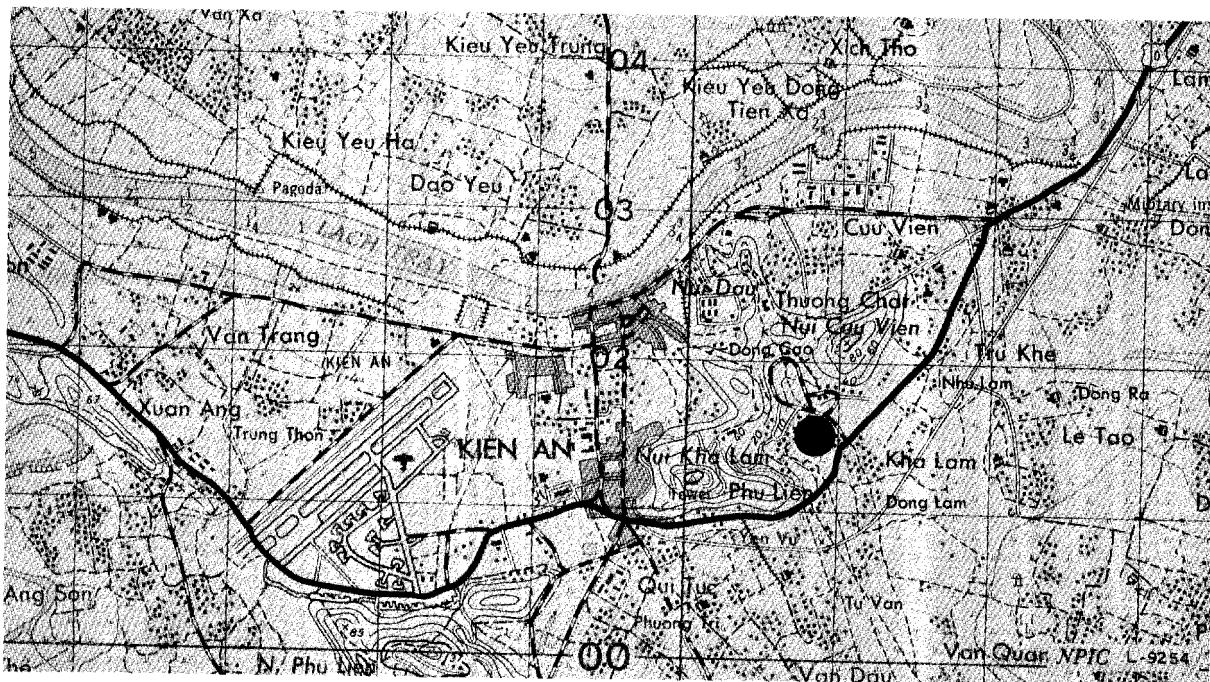
**NAME:** KIEN AN COMMUNICATIONS FACILITY

**LOCATION:** 1.7 NM ENE OF KIEN AN AIRFIELD AND 3.7 NM SSW OF HAI PHONG

**DESCRIPTION:** FACILITY CONSISTS OF 1 CONTROL BUILDING AND 4 MASTS  
SUPPORTING 2 AND POSSIBLY 3 PROBABLE HORIZONTAL DIPOLE ANTENNAS.

25X1D

**MAP REFERENCES:** AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)  
AMS SERIES 1501, SHEET NF 48-16



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CU DONG COMMUNICATIONS FACILITY

WJ953259  
UTM COORDINATES

21-01-57N 105-55-05E  
GEOGRAPHIC COORDINATES



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NPIC/R-267/66  
FEBRUARY 1968

BE NUMBER WJ873256 UTM COORDINATES 21-01-53N 105-50-26E GEOGRAPHIC COORDINATES

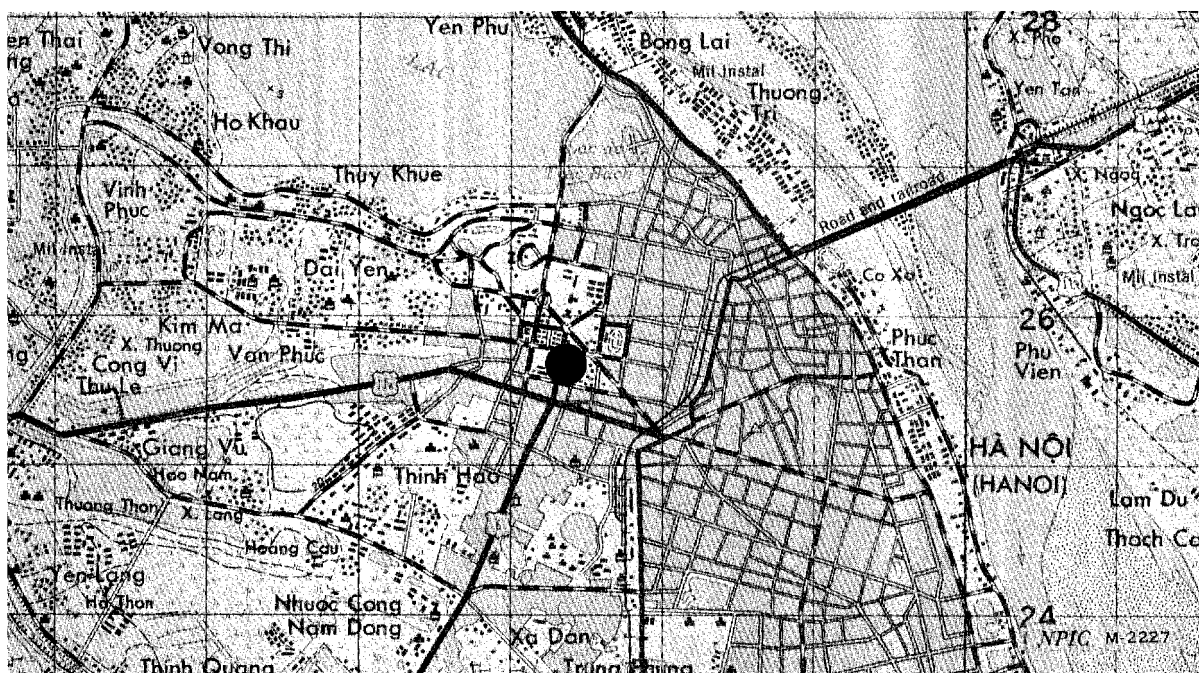
NAME: HA NOI COMMUNICATIONS FACILITY BA DINH

LOCATION: IN HA NOI, 0.5 NM NW OF THE RAILROAD YARDS

DESCRIPTION: FACILITY CONSISTS OF A 3-ELEMENT BEAM ANTENNA MOUNTED ON THE ROOF OF A RESIDENTIAL-TYPE BUILDING LOCATED ON DAI LO CHU VAN AN NEAR ITS INTERSECTION WITH DAI LO NGUYEN THAI HOC.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)  
AMS SERIES L1501, SHEET NF 48-11  
USARPAC SIRA MAP NO 538, JUN 64



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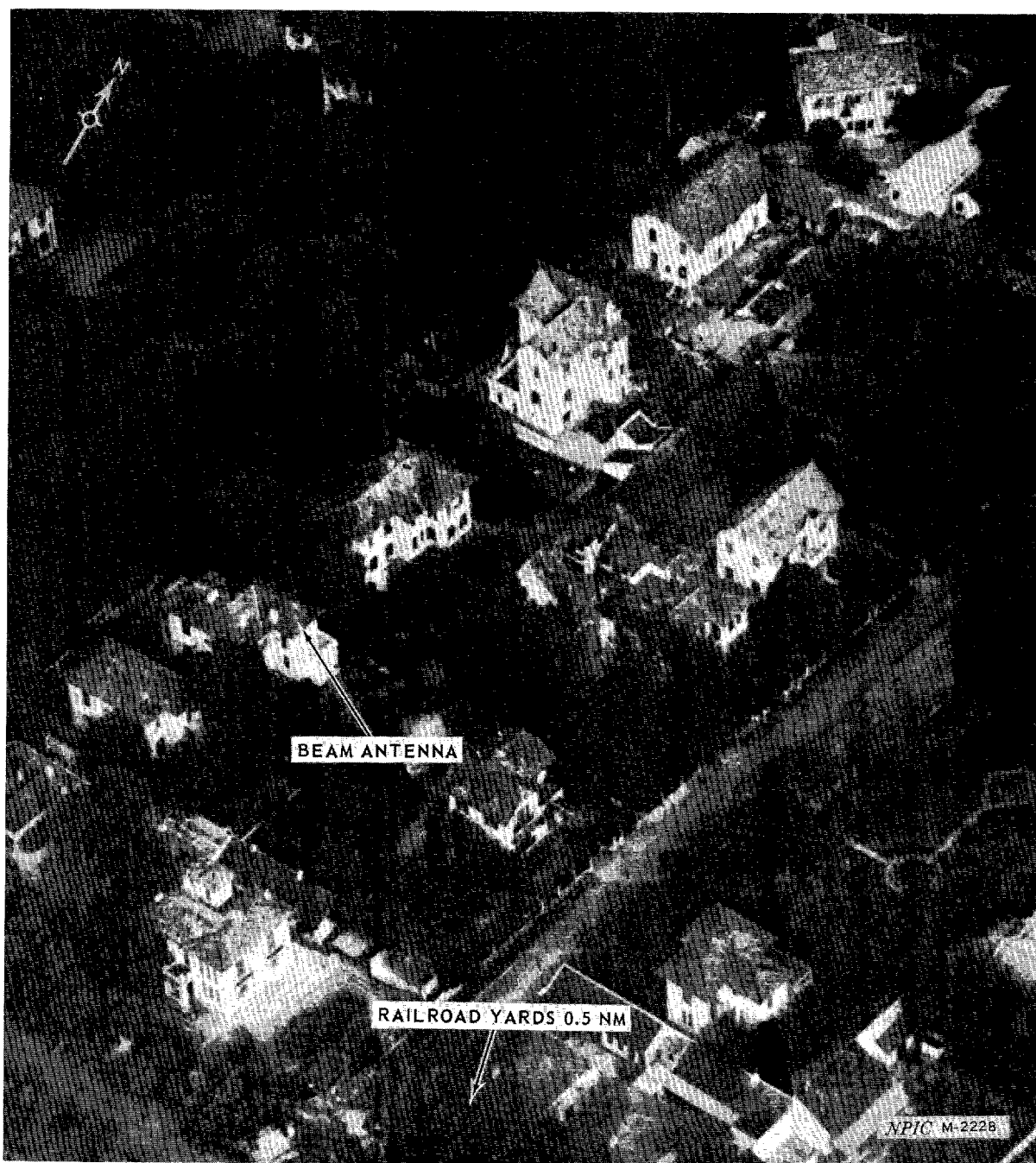
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FEBRUARY 1966

HA NOI COMMUNICATIONS FACILITY BA DINH  
WJ873256  
UTM COORDINATES

21-01-53N 105-50-26E  
GEOGRAPHIC COORDINATES



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Line 2A.	Laos Border Area (Route 19)	B-5, 6 (Sep, Aug 66)
Line 3.	Laos/Vietnam Demilitarized Zone	B-7, 8 (Aug 66)
Line 4.	Bai Duc Thon/Demilitarized Zone (Under Construction)	B-9, 10 (May 67)
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Line 6.	Ban San Area (Route 15)	B-13, 14 (Nov 66)
Line 6A.	Thiet Tra Area (Route 127)	B-13, 14 (Nov 66)
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Line 8.	Dien Bien Phu Area (Route 191)	B-17, 18 (Oct 67)

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**LINE 1. LAO CAI/YEN BAI PROBABLE TELEPHONE/TELEGRAPH LINE**

A probable telephone/telegraph line extends southeastward from the Chinese border region near Lao Cai for a distance of approximately 75 nautical miles to the vicinity of Yen Bai.

The trace for this probable telephone/telegraph line is observed intermittently from 22-31N 105-01E, a point 2 nm east-northeast of Lao Cai, southeastward following the alignment of Route 4 to 22-22N 104-14E.

The trace continues southeastward to 22-14N 104-29E, following the general alignment of a new road under construction (See photo), and southeast to 22-11N 104-25E where it intersects Route 157.

The trace continues southeastward following the alignment of Route 157 to 21-46N 104-58E, then southwestward following Route 13 to the extent of photographic coverage at 21-44N 104-57E, a point 5 nm northeast of Yen Bai.

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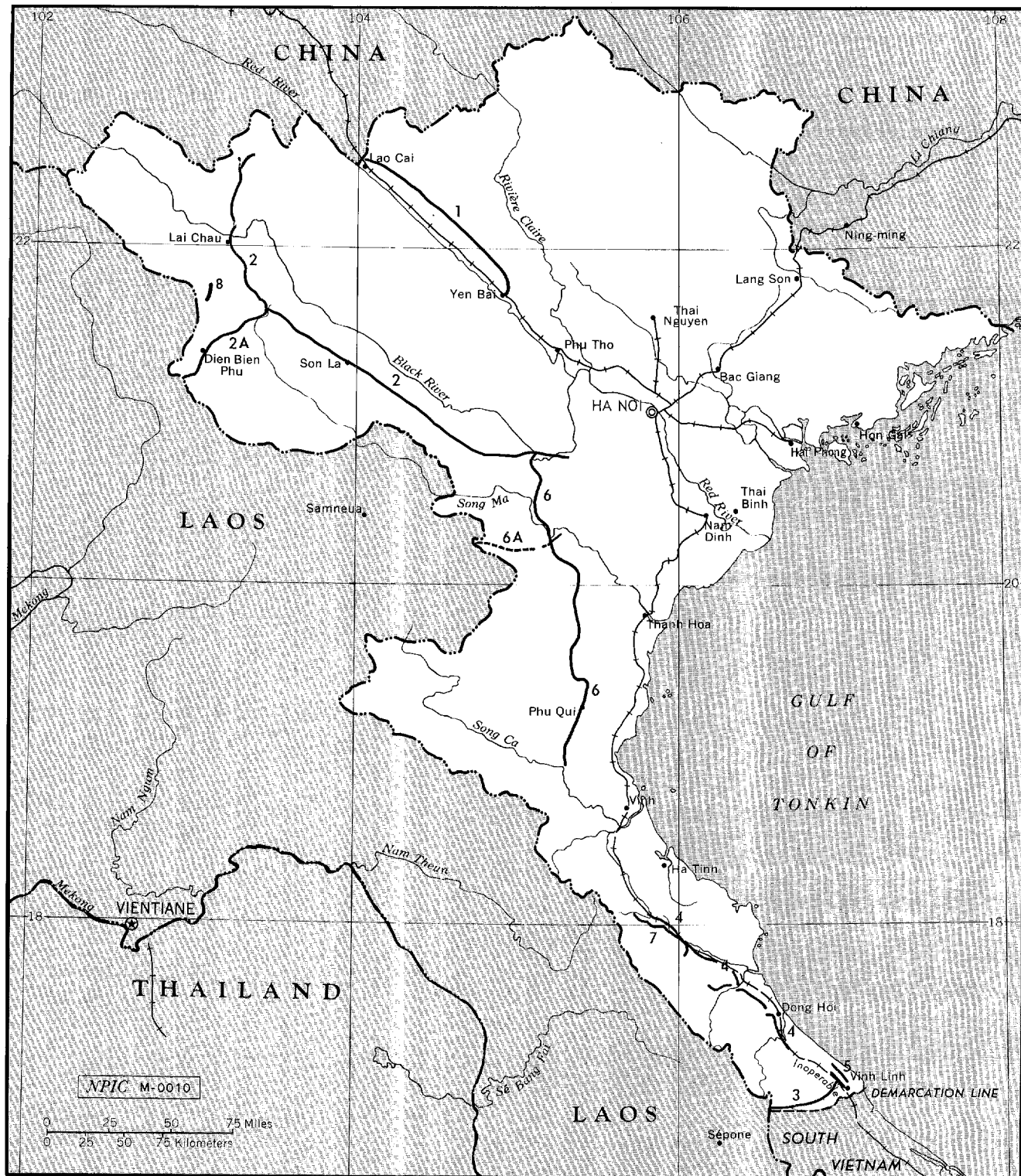
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REF ID: A66543  
R-267/66  
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**CATEGORY C**

**Weather Stations**

**INTRODUCTION**

North Vietnamese weather stations are similar in appearance and function. They are normally surrounded by a small fence and contain 2 masts, each connected by wire to an instrument shelter. The shelters are small structures with louvered sides which house thermal and barometric instruments. Other equipment usually observed at these sites includes rain gauges and evaporation pans.

At the present time, weather stations in North Vietnam are used exclusively for the collection and transmission of weather data. However, a communications capability exists at each site and could be used to transmit information other than weather data.

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# CATEGORY C

## Weather Stations

25X1A

Map Key	Name	Geographic Coordinates	UTM Coordinates <sup>u</sup>
1.	Ban Tiane	19-15-38N 104-28-30E	VG447296
2.	Dong Hoi	17-28-55N 106-36-24E	XE706334
3.	Ha Tinh	18-20-33N 105-54-30E	WF959282
4.	Lao Cai	22-28-53N 103-58-54E	UK951862
5.	Son La	21-19-49N 103-54-36E	UJ869589
6.	Thanh Hoa	19-48-24N 105-46-23E	WG811901
7.	Tien Yen	21-19-27N 107-25-03E	YJ508598
8.	Chu Le	18-10-57N 105-42-26E	WF748103
9.	Ban Phat	21-02-54N 104-18-12E	VJ276274
10.	Ban Hco	21-07-48N 104-09-36E	VJ127366
11.	Ha Noi	20-59-59N 105-56-15E	WJ974221
12.	Bach Long Vi Dao <sup>u</sup>	20-07-55N 107-43-50E	YH853281
13.	Hai Duong	20-56-12N 106-19-15E	XJ373155
14.	Lang Son	21-48-44N 106-46-17E	XK832147
15.	Lai Chau	22-03-54N 103-09-42E	UK104409
16.	Cao Bang	22-39-43N 106-16-06E	XL287064
17.	Nam Dinh	20-25-56N 106-09-29E	XH210595
18.	Xom Cua (Tung) <sup>u</sup>	17-01-14N 107-06-37E	YD248829
19.	Hanoi/Gia Lam Airfield	21-02-29N 105-53-40E	WJ928267
20.	Xom Tay	20-39-54N 106-03-42E	XII105852
21.	Ha Noi Army Barracks		
	West Yen Lang	21-01-25N 105-48-29E	WJ837247
22.	Trai Hoang Thi	21-44-58N 105-02-11E	WK038048
23.	Dong Hoi Airfield <sup>u</sup>	17-30-32N 106-35-40E	XE691364
24.	Bai Thuong	19-53-54N 105-22-51E	WII398001
25.	Rao Qua Army Barracks	18-27-27N 105-18-52E	WF332407
26.	Tuan Giao	21-35-18N 103-25-25E	UJ369879
27.	Xom Don Dien	19-02-51N 104-53-21E	VG060883
28.	Phu Ly	20-32-26N 105-55-18E	WII962714
29.	To Cau	20-21-40N 106-07-35E	XII177513
30.	Vinh	18-41-17N 105-40-40E	WF714663
31.	Ba Don <sup>u</sup>	17-45-22N 106-26-11E	XE522636
32.	Nam Huan	19-53-42N 105-56-00E	WH978000
33.	Binh An	19-58-42N 105-39-45E	WII692090
34.	Hang Ech	21-35-36N 105-48-30E	WJ837878
35.	Kim Lang	21-32-02N 105-12-19E	WJ213810
36.	Son Tay	21-07-38N 105-30-49E	WJ533361
37.	Cao Trach	17-49-47N 106-10-23E	XE244716
38.	No Giap	19-26-35N 105-46-55E	WG821409
39.	Haiphong/Cat Bi Airfield <sup>u</sup>	20-49-12N 106-43-42E	XJ797030

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CATEGORY C  
Weather Stations

25X1A

Map Key	Name	Geographic Coordinates	UTM Coordinates*
40.	Dong Nham	21-17-30N 106-13-12E	CJ264548
41.	Phuc Lien	20-48-16N 106-38-04E	XJ701012
42.	Nam Cap	20-58-32N 107-46-34E	YJ886217
43.	Dien Bien Phu**	21-23-54N 103-00-18E	TJ933673
44.	Phu Tho	21-24-13N 105-12-50E	WJ223666
45.	Dinh Lap	21-32-24N 107-06-25E	YJ182883
46.	Qui Chau	19-33-14N 105-05-44E	WG101620
47.	Chiem Hoa	22-09-16N 105-16-31E	WK284997
48.	Mong Cai	21-31-22N 107-58-34E	XJ082828
49.	Ban Xom Lom	20-50-03N 105-41-09E	VJ673036
50.	Phuc Yen**	21-13-41N 105-48-34E	WJ840472
51.	Yen Bai	21-42-12N 104-52-25E	VJ869998
52.	Ha Giang	22-48-39N 105-44-10E	VL866224
53.	Cha Pa	22-20-03N 103-50-27E	UK806701
54.	Hon Dau	20-39-50N 106-49-15E	XH896858
55.	Van Dien	20-55-43N 105-50-56E	WG678160
56.	Van Dien	20-55-43N 105-50-56E	WJ883142
57.	Dong Giap	18-24-04N 105-53-53E	WF949346
58.	Hoa Lac AF	21-02-05N 105-29-55E	WJ518259
59.	Phu Thuy	18-53-45N 105-18-36E	WF327892
60.	Nhan Ly	18-05-07N 106-17-22E	XE364999
61.	Van Ly	20-07-10N 105-18-26E	XH366251
62.	Dai Phong	20-14-33N 105-59-32E	XH036385
63.	Kep AF	21-23-25N 106-16-00E	XJ313657
64.	Thai Binh	20-26-20N 106-20-40E	XH392605
65.	Yen Khoai	21-09-45N 105-23-20E	WJ403399
66.	Dong Nuong Thon	20-33-58N 106-34-59E	XH649747
67.	Cam Pha	21-01-28N 107-22-17E	YJ464265
68.	Nguyet Ang	20-46-25N 106-37-01E	XH683978
69.	Than Uyen	22-00-25N 103-55-27E	UK890338
70.	Chan Tao	21-01-12N 105-58-28E	WJ013245
71.	Phong Tho**	22-32-00N 103-22-01E	UK322925
72.	Hoa Binh	20-49-28N 105-20-36E	WJ357025
73.	Bi Con Thon	21-02-00N 106-44-01E	YJ802266
74.	Thai Nguyen	21-35-28N 105-50-59E	WJ877878
75.	Tsin Ho	22-21-22N 103-15-20E	UK204731
76.	Hon Gai	20-57-09N 107-04-59E	YJ165181
77.	Huu Long	21-30-22N 106-20-42E	XJ393785
78.	Ban Fa Dinh**	21-34-39N 103-30-23E	UJ454866

\*All UTM coordinates are derived from AMS Series L7014, scale 1:50,000.

\*\*Inactive station.

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